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BURTSEV, I. F., inzh.; YAGNYSHEV, V. T., inzh.

The KN-3 coal-cutting combine. Mekh.i avtom.proizv.18 no. 5: 41 My '64. (MIRA 17:5)

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BURTSEV, Ivan Fedorovich; BURLYGA, F.I., red.

[Cutter-loaders] Narezmye kombainy. Donetsk, Donetskoe knizhnoe izd-vo, 1963. 20 p. (MIRA 17:9)

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L 2651-66 EWT(l)/EWT(m)/FCC/EWA(h) GS/GW
ACCESSION NR: AT5023939 UR/0000/65/000/000/0217/0229

AUTHOR: Burtsev, I. I.

TITLE: Washout by precipitation of artificial radioactive aerosols from the atmosphere

SOURCE: Nauchnaya konferentsiya po yadernoy meteorologii. Obninsk, 1964. Radioaktivnyye izotopy v atmosfere i ikh ispol'zovaniye v meteorologii (Radioactive isotopes in the atmosphere and their use in meteorology); doklady konferentsii. Moscow, Atomizdat, 1965, 217-229

TOPIC TAGS: nuclear meteorology, micrometeorology, radioactive aerosol, radioactive fallout, artificial radioactive aerosol, atmospheric boundary layer, radioactive isotope

ABSTRACT: Some of the results of research carried out to determine different mechanisms involved in the fallout of artificial and natural radioactive particles are reported. Measurements made of the artificial radioactive products, Sr^{90} and Y^{90}, at two high-mountain meteorological stations in the vicinity of Mt. Elbrus in the Caucasus ("Dolina" at 2200 m and "Pik" at 3100 m above sea level) between June 1961 and April 1963 included the concentrations of these particles in various

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ACCESSION NR: AT5023939

types of precipitation and the intensity and amount of fallout on the ground. Snow showers with hail were found to be the type of precipitation most effective in the process of radioactive aerosol fallout. Orig. art. has: 6 figures and 3 tables. [ER]

ASSOCIATION: none

SUBMITTED: 28Apr65 ENCL: 00 SUB CODE: ES, NP

NO REF SOV: 007 OTHER: 007 ATD PRESS: 4101

Card 2/2

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BURTSEV, I. Ya., Engr.

Oct 51

USSR/Mining - Coal, Equipment

"Coal Combine UKT-1," N. Ya. Merkulov, Laureate of Stalin Prize

Nauka i Zhizn' Vol 18, No 10, pp 37,38

Describes coal cutter for thin seams, designed at Giprouglemash (State Planning-Designing and Experimental Institute of Coal Mach Bldg). Machine consists of operational member, elec motor, feeding mechanism and detachable guiding ski. It may travel along face of longwall in both directions. In 1951, engineers A. D. Gridin, Ye. I. Kudryashev, A. A. Pichugim and I. Ya. Burtsev were awarded Stalin prize of 1st class for developing UKT-1.

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BURTSEV, I.Ya., laureat Stalinskoy premii; TARUSIN, P.P., laureat Stalinskoy premii.

On the question of repairing deformed metallic supports made of special profile beams. Ugol' 29 no.10:40-45 O '54. (MLRA 7:11)

1. Shakhta No. 29 im. Stalina tresta Stalinotol'.
(Mine timbering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, K.A.

Methods for improving the capillarity of unbleached gauze. Khirurgiia Supplement:68 '57. (MIRA 11:4)

1. Iz kafedry bolshchey gigiyeny I Moskovskogo ordena Lenina meditsinskogo instituta.
(SURGICAL INSTRUMENTS AND APPARATUS)

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BURTSEV, K.A., starshiy mekhanik defektoskopii

We have URD-58 flow detectors in operation. Put' put.khoz. no.9:7 S '59. (MIRA 12:12)

1. Zabaykal'skaya doroga, g.Svobodnyy.
(Railroads--Rails--Testing)

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AFONIN, K.B.; BURTSEV, K.I.; BYSTROV, S.N.; VINETS, G.B.; VODNEV, G.G.; VORONIN, A.S.; GEVLICH, A.S.; GRYAZNOV, N.S.; GUDIM, A.F.; GUSYATINSKIY, M.A.; DVORIN, S.S.; DIDENKO, V.Ye.; DMITRIYEV, M.M.; DONDE, M.M.; DOROGOBID, G.M.; ZHDANOV, G.I.; ZAGORUL'KO, A.I.; ZELENETSKIY, A.G.; IVASHCHENKO, Ya.N.; KAFTAN, S.I.; KVASHA, A.S.; KIREYEV, A.D.; KLISHEVSKIY, G.S.; KOZYREV, V.P.; KOLOBOV, V.N.; LGALOV, K.I.; LEYTES, V.A.; LERNER, B.Z.; LOBODA, N.S.; LUBINETS, I.A.; MANDRYKIN, I.I.; MUSTAFIN, F.A.; NEMIROVSKIY, N.Kh.; NEFEDOV, V.A.; OBUKHOVSKIY, Ya.M.; PERTSEV, M.A.; PETROV, I.D.; PODGORODHANSKIY, M.O.; POPOV, A.P.; RAK, A.I.; REVYAKIN, A.A.; ROZHKOV, A.P.; ROZENGAUZ, D.A.; SAZONOV, S.A.; SIGALOV, M.B.; STOMAKHIN, Ya.B.; TARASOV, S.A.; FILIPPOV, B.S.; FRIDMAN, N.K.; FRISHBERG, V.D.; KHAR'KOVSKIY, K.V.; KHOLOPTSEV, V.P.; TSAREV, M.N.; TSOGLIN, M.E.; CHERNYY, I.I. CHERTOK, V.T.; SHELKOV, A.K.

Samuil Borisovich Bamme. Koks i khim. no.6:64 '56. (MLRA 9:10)
(Bamme, Samuil Borisovich, 1910-1956)

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Burtsev, K.M.

PHASE I BOOK EXPLOITATION SOV/3731

Akademiya nauk SSSR. Institut goryuchikh iskopayemykh

Gazifikatsiya i goreniye topliva (Fuel Gasification and Combustion) Moscow, Izd-vo AN SSSR, 1959. 227 p. (Series: Its: Trudy, Vol 11) Errata slip inserted. 1,000 copies printed.

Ed.: M. V. Lavrov; Ed. of Publishing House: V. M. Pokrovskiy; Tech. Ed.: I. N. Dorokhina.

PURPOSE: This collection of articles is intended for scientific research workers and engineers studying combustion processes and solid fuel gasification.

COVERAGE: This collection concerns the theoretical and experimental study of the mechanism of chemical reactions occurring in combustion and gasification. Results of the isotopic method of studying the gas generating process and its reactions, and the reaction of carbon monoxide and heated coal are analyzed and the pilot plants used in this study are described. Reactions of coal combustion, coal oxidation, methane dissociation and conversion are discussed and their equilibrium constants given in tables. The processes of methane oxidation by oxygen and synthesis-gas production by oxidizing natural gas with the subsequent reduction of oxidation products by carbon are analyzed as is the effect of an excessive amount of air on the burning process of powdered solid fuel. The utilization of heavy petroleum residue and tar for combustion and gasification purposes is also discussed along with the principles of fluidization. Analysis, routine control and intensification of physical and chemical processes by means of ultrasonic vibrations are also covered. No personalities are mentioned. References accompany all but the first article.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, Konstantin Nikolayevich; SHALIN, V.N., kand. tekhn.nauk, retsenzent; ZAKINSKIY, O.N., inzh., red.; KUREPINA, G.N., red. izd-va; SHCHETININA, L.V., tekhn. red.

[Metal bellows] Metallicheskie sil'fony. Moskva, Mashgiz, 1963. 159 p. (MIRA 16:6)
(Bellows)

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Burtsev, Konstantin Nikolayevich

Metallicheskiye sil'fony (Metallic Bellows) Moscow, Mashgiz, 1963. 159 p. Errata slip inserted. 2800 copies printed.

Reviewer: V. N. Shalin, Candidate of Technical Sciences; Ed.: O. N. Zarinskiy; Ed. of Publishing House: G. N. Kurepina; Tech. Ed.: L. V. Shchetinina; Managing Ed.: Leningrad Department, Mashgiz: and Managing Ed. for Literature on Machine-Building Technology: Ye. P. Naumov, Engineer.

PURPOSE: This book is intended for engineering-technical workers concerned with the design and operation of instruments, machines, and mechanisms which make use of bellows and for workers in organizations designing and manufacturing bellows. The book may also be useful to students in schools of higher learning.

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SOV/6499

Metallic Bellows

COVERAGE: The book presents designs of metallic bellows used industrially and deals with the technology of production and methods of joining bellows to the assemblies of instruments and mechanisms. It also gives standard specifications and discusses mechanical and operational characteristics of bellows. A brief review and analysis of rating systems is given and some results of an investigation of bellows are presented.

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BAKSHT, Rafail Isayevich; LEMBERG, Mikhail Dimitriyevich; BOLOTIN, Kh.L., kand. tekhn.nauk, dots., retsenzent; BURTSEV, K.V., inzh., red.; LESNICHENKO, I.I., red. izd-va; UVAROVA, A.F., tekhn. red.

[Clamping devices of lathes]Zazhimnye ustroistva tokarnykh stankov. Moskva, Mashgiz, 1962. 150 p. (MIRA 15:10)
(Lathes)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.

For continued increases in production! Mias.ind.SSSR. 25 no.4: 1-5 '54. (MLRA 7:8)

1. Zamestitel' ministra promyshlennosti myasnykh i molochnykh produktov SSSR.
(Meat industry)

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BURTSEV, L.

Exemplary preparation for the season of mass livestock processing. Mias. ind. SSSR 27 no.4:1-5 '56. (MLRA 9:10)

1. Zamestitel' ministra promyshlennosti myasnykh i molochnykh produktov SSSR.
(Meat industry)

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BURTSEV, L.

Let us improve the condidtions of industrial safety and hygiene.
Mias.ind.SSSR 27 no.6:6-9 '56. (MLRA 10:2)

1. Zamestitel' ministra promyshlennosti myasnykh i molochnykh produktov SSSR.
(Meat industry--Safety measures)

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BURTSEV, L.

Prepare in an exemplary way for the season of mass livestock and poultry processing. Mias. ind. SSSR 28 no.3:1-5 '57. (MLRA 10:6)

1. Zamestitel' ministra promyshlennosti myasnykh i molochnykh produktov SSSR.

(Meat industry)

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BURTSEV, L.

Meat industry of Kazakhstan in 1959. Mias. ind. SSSR. 30 no.4:22-24 '59. (MIRA 12:12)

1.Gosplan Kazakhskoy SSR.
(Kazakhstan--Meat industry)

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BURTSEV, L.

Meat combines of Kazakhstan after the reorganization of the administration. Mias. ind. SSSR 30 no.5:23-26 '59.
(MIRA 13:1)

1.Gosplan SSSR.
(Kazakhstan--Meat industry--Management)

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BURTSEV, L.

Mobile plant for poultry processing. Mias.ind.SSSR 30 no.6: 18-20 '59. (MIEA 13:4)
(Kazakhstan--Poultry plants)

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BURTSEV, L.

Some problems involved in the seasonal preparation of mass processing of livestock. Mias.ind.SSSR 31 no.2:1-5 '60. (MIRA 13:8)

1. Gosplan SSSR.
(Meat industry)

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BURTSEV, L.

Latest in the meat industry at the Exhibition of the Achievements of the National Economy. Mias.ind. SSSR. 31 no.6:4-6 '60.
(MIRA 13:12)

1. Predsedatel' sektsii myasnoy i molochnoy promyshlennosti Vystavki dostizheniy narodnogo khozyaystva SSSR.
(Meat industry—Exhibitions)

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BOLDYREV, P.; BURTSEV, L.; NOVIKOV, V.

Processing of cattle in British, Dutch and French enterprises (to be concluded). Mias. ind. SSSR 32 no.1:58-61 '61. (MIRA 14:7)

(Slaughtering and slaughterhouses)
(Cattle)

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BOLDYREV, P.; BURTSEV, L.; NOVIKOV, V.

In British, Dutch, Danish, and French meat-processing enterprises.
Mias.ind.SSSR 32 no.2:54-58 '61. (MIRA 14:7)
(Meat industry)

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BOLDYREV, P.; BURTSEV, L.; NOVIKOV, V.

Poultry processing in the enterprises of England and the Netherlands. Mias. ind. SSSR 32 no.4:53-59 '61. (MIRA 14:9)
(Great Britain—Poultry plants)
(Netherlands—Poultry plants)

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BOLDYREV, P.; BURTSEV, L.; NOVIKOV, V.

Organization, technology and equipment of the feed industry in England, the Netherlands and Denmark. Mias. ind. SSSR 32 no.5:56-60 '61. (MIRA 14:11)

(Feeds)
(Europe, Western--Meat industry--By-products)

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BURTSEV, L.; BELYAYEV, S.

Great potentials for increasing the productive capacity. Mias. ind.SSSR 33 no.2:5-10 '62. (MIRA 15:5)

1. Gosplan SSSR (for Burtsev). 2. Vsesoyuznyy nauchno-issledovatel'skiy institut myasnoy promyshlennosti (for Belyayev).
(Meat industry)

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BURTSEV, L.

Operations of the Semipalatinsk Meat Combine during the interseason period. Mias.ind. SSSR 33 no.3:27-29 '62. (MIRA 15:7)

1. Gosplan SSSR.
(Semipalatinsk—Meat industry)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.

State of the sausage industry and problems of the quality of production. Mias.ind. SSSR 34 no.3:6-11 '63. (MIRA 16:7)

1. Sovet narodnogo khozyaystva SSSR.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

KRESTOVNIKOV, Aleksandr Nikolayevich; VIGDOROVICH, Vilenin Naumovich; BELYAYEV, A.I., retsenzent; LEVITSKIY, M.V., kand.khim.nauk, retsenzent; BURTSEVA, K.G., kand.khim.nauk, retsenzent; SAVAL'SKIY, S.L., starshiy prepodavatel', retsenzent; CHERNOV, A.N., red.; KURDOVA, Ye.I., red.izd-va; VAYNSHTEYN, Ye.B., tekhn.red.

[Chemical thermodynamics; selected articles for pyrometallurgists] Khimicheskaia termodinamika; izbrannye glavy dlia pirometallurgov. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1961. 280 p. (MIRA 14:3)

1. Chlen-korrespondent AN SSSR (for Belyayev). 2. Kafedra obshchey i fizicheskoy khimii Severo-Kavkazskogo gorno-metallurgicheskogo instituta (for Levitskiy, Burtseva, Saval'skiy).
(Thermodynamics) (Chemistry, Physical and theoretical)

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BURTSEV, L. I.

BURTSEV,.L. I. -- "Ways of Increasing the Effectiveness of Mining of Fine Steeply Sloping Veins." Sub 10 Jul 52, Moscow Mining Inst imeni I. V. Stalin (Dissertation for the Degree of Candidate in Technical Science)

SO: Vechernaya Moskva, January-December 1952

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BURTSEV, L.I.

RUSANOV, K.S.; BURTSEV, L.I.; BUD'KO, A.V.

Improvement of mine development systems in ore mines. Gor.zhur. no.8:16-19 Ag '55. (MLRA 8:8)
(Mining engineering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I.

BUD'KO,A.V., kandidat tekhnicheskikh nauk; BURTSEV,L.I., kandidat tekhnicheskikh nauk.

Lumpiness in systems of breaking down hard ore in bulk. Gor. zhur. no.9:14-21 S '55. (MLRA 8:8)
(Mining engineering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I.; BUD'KO, A.V.

Mining methods in Sweden. Gor.zhur. no.10:28-34 O '55. (MLRA 9:2)
(Sweden--Mining engineering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BUD'KO, A.V., kandidat tekhnicheskikh nauk; BURTSEV, L.I., kandidat tekhnicheskikh nauk; MAKHANOV, V.M., gornyy inzhener.

Advisability of using large diameter boreholes. Ger.zhur.no.12: 24-29 D '55. (MLRA 9:4)
(Boring)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I.; BUD'KO, A.V.; GOLOMALZIN, A.I.; RUSANOV, K.S.

Mining systems with ore delivery by blasting. Gor.zhur. no.6: 59-60 Je '56. (MLRA 9:8)
(Kazakhstan--Mining engineering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BUD'KO, A.V., kandidat tekhnicheskikh nauk; BURTSEV, L.I., kandidat tekhnicheskikh nauk.

Handling lumpy ore in large block caving systems. Gor.zhur. no.10:27-31 O '56. (MLRA 9:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut tsvetnykh metallov.
(Mining ingineering) (Ore handling)

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BURTSEV, L.I.

127-58-7-20/20

AUTHOR: Bud'ko, A.V. and Burtsev, L.I., Candidates of Technical Sciences and Serednyakov, P.Ya., Mining Engineer

TITLE: B. Stoches. "Principles of Mining Works" (B. Stoches. Osnovy gornogo dela") Translated from English by V.A. Agoshkova, under the scientific editorship of M.I. Agoshkov, Member-Correspondent of the AS USSR (Perevod s angliyskogo V.A. Agoshkovoy pod nauchnoy redaktsiyey chl.-korr. AN SSSR M.I. Agoshkova) Metallurgizdat, Moscow, 1957, 302 pages, 240 illustrations, Circulation 6,000 copies. Price 14 r. 55 k. (Metallurgizdat, Moskva, 1957, 302 str., 240 ill. Tirazh 6000. Tsena 14 r. 55 k.)

PERIODICAL: Gornyy zhurnal, 1958, Nr 7, pp 78-80 (USSR)

ABSTRACT: This is a review of the above-mentioned book.

Card 1/1 1. Books-Review

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

SOV-127-58-8-9/27

AUTHORS: Bud'ko, A.V. and Burtsev, L.I., Candidates of Technical Sciences

TITLE: A Method of Calculating Blast Charges for Crushing Rocks in Bulk Breaking (Metod rascheta zaryadov drobleniya pri massovoy otboyke)

PERIODICAL: Gornyy zhurnal, 1958, Nr 8, pp 41-44 (USSR)

ABSTRACT: When breaking rocks by blasting with a sufficient degree of force, crushing must be achieved without excessively increasing the number of blasts. It is also necessary, especially in strip mining, to avoid the scattering of crushed rocks, which endangers surrounding installations and hampers loading operations. It limits the use of "outburst" blasts to obtain the needed degree of crushing. The authors devised formulae by which a correct amount of blasting material in different rock conditions could be calculated. There are 2 tables and 4 Soviet references.

ASSOCIATION: Institut gornogo dela AN SSSR (Mining Institute, AS USSR)

1. Explosive charges--Mathematical analysis 2. Rock--Blast effects
3. Mining engineering

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L.I. Burtsev

2A(5) PHASE I BOOK EXPLOITATION SOV/1944

Akademiya nauk SSSR. Institut gornogo dela

Razvitiye problemy razrytiya i razrabotki mestorozhdeniy poleznykh iskopayemykh (Scientific Problems in Developing and Exploiting Mineral Deposits) Moscow, Izd-vo AN SSSR, 1959. 333 p. 3,000 copies printed. Errata slip inserted.

Resp. Ed.: N.V. Mel'nikov, Corresponding Member, USSR Academy of Sciences; Ed. of Publishing House: Yu.P. Vasil'yev; Tech. Ed.: F.S. Kashina.

PURPOSE: This book is intended for coal and ore mining engineers.

COVERAGE: The collection of articles reports on the results of scientific studies conducted by members of the Institute of Mining Industries of the AN SSSR on problems of developing and exploiting coal and ore deposits. The book is divided into two parts. Part I discusses the development and application of coal deposits, the trends in developing underground and surface exploitation methods, the scientific bases and principles applied in selecting exploitation methods for different natural conditions, the determination of the basic elements in the use of modern mechanized equipments in underground development, and the preparation and exploitation of coal. Part II is devoted to problems in the development and exploitation of ore deposits, the draining and mining methods used in underground exploitation of deposits in the area of the KMA (Kursk Magnetic Anomaly), the open pit mining method used in exploiting the rich KMA ores, the determination of size of ore, and further ore dressing. The book is dedicated to Academician Lev Dmitriyevich Shevyakov, mining engineer. The articles are accompanied by diagrams, tables, and bibliographic references.

TABLE OF CONTENTS:

Scientific Problems (Cont.) SOV/1944

Zal'tso, L.V., and L.I. Burtsev. Regulation of Feed Size in High Productivity Systems of Exploitation 304

Golovnaya, G.V. Modern Mining Practices in Developing the Upper Part of Ore Blocks 316

AVAILABLE: Library of Congress (TN 275 . A45)

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Card 7/7

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I.

307/180-59-1-27/29

AUTHOR: Solomonov, M.

TITLE: Conference at the Leading Ore-Mining Combine in Tyrny-Auz (Kabardino-Balkariya) (Soveshchaniye na peredovom kombinate gornorudnoy promyshlennosti v Tyrny-Auze (Kabardino-Balkariya))

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1959, Nr 1, p 123 (USSR)

ABSTRACT: A conference was convened on 15-18th September 1958 at the Tyrny-Auz Combine by the Institute gornogo dela Akademii nauk SSSR (Mining Institute of the Academy of Sciences of the USSR), Gosudarstvennyy nauchno-tekhnicheskiy komitet Soveta ministrov SSSR (State Scientific and Technical Committee of the Council of Ministers of the USSR) the Kabardino-Balkarskiy sovnarkhoz (Kabardino-Balkariya Economic Council) and the Nauchno-tekhnicheskoye obshchestvo tsvetnoy metallurgii (Scientific and Technical Society for non-ferrous metallurgy). The following reports were presented:

N.F. Kanalenko, GITK (probably a mistake for GNTK (State Scientific and Technical Committee) - Abstractor) of the Council of Ministers of the USSR, "Main Lines for Technical Development in the Underground Mining of Ores of Non-Ferrous and Rare Metals in 1959-1965";

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M.F. Agoshkov, IGD AN SSSR (AS USSR), "Improvement in the Methods of the Underground Working of Large Deposits of Hard Ores"; V.O. Druzhkov, "Experience in the Use of the Single-Stage Method of Working Deposits Under Conditions Preserving the Surface from Caving"; A.A. Fomin, Institut Unipromed (Unipromed Institute), "Experience in the Working and Safety Precautions of Inflammable Ural Ores"; A.G. Shpitalnikov, Institut Giprotsvetmet (Giprotsvetmet Institute), "Economic Effectiveness of Using Powerful Equipment in Working Large Deposits"; D.F. Rokhov, "Work of the VNIIT Institute on the Production of Modern Boring Equipment"; D.M. Bronnikov (Mining Institute AS USSR), "Comparative Evaluation of Methods of Charge Drilling in Hard Ores"; A.A. Chinakal, Sibirskoye otdeleniye AN SSSR (Siberian Department of the AS USSR), "Shield Propping in Working Large Inclined Seams and the Possibility of Using this Propping System in Working Ore Deposits"; A.F. Rudin and A.A. Berman (Mining Institute AS USSR), "Systems of Working Large Hard-Ore Deposits in Foreign Quarries";

Card 2/3

N.F. Redin, IGD Ural SSR (Mining Institute Ural SSR), "Ways of Combating Dust in Mining Operations". After this the conference heard reports on work at the Norilskiy kombinat (Norilsk combine), the Nikitovskiy rtutnyy kombinat (Nikitovka mercury combine), the "Verkhniy" rudnik ("Upper" quarry) of the kombinat Sibkali (Siberian Potash combine), the Dzheraldinskoye mestorozhdeniye (Dzheraldinskoye deposit) of the Degterskoye mestorozhdeniye (Degterskoye deposit), Leninogorskiy kombinat (Leninogorsk combine), Tyrny-Auzskiy kombinat (Tyrny-Auz combine), Salairskiy rudnik (Salair quarry) and the Dzheskazganskoye mestorozhdeniye (Dzheskazgan deposit). The conference decided on measures for improving mining.

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18 SOV/127-59-4-2/27

AUTHOR: Agoshkov,M.L., Coresponding Member of the AS USSR, Bud'ko, A.V. and Burtsev,L.I.,Candidates of Technical Sciences.

TITLE: The Improvement of Highly-Productive Methods and Technology of Mining Large Deposits of Hard Ores. (Usovershenstvovaniye vysokoproizvoditel'nykh sistem i tekhnologii razrabotki moshchnykh mestorozhdeniy krepkikh rud.) Results of the All-Union Conference on Highly Productive Methods of Mining. (K itogam Vsesoyuznogo soveshchaniya po vysokoproizvoditel'nym sistemam razrabotki.)

PERIODICAL: Gornyy zhurnal, 1959, Nr 4, pp 12-24 (USSR)

ABSTRACT: The scientific-technical conference which took place in Tyrny-Auz in September 1958 was convened to develop measures for the improvement and introduction of highly productive methods and technology of mining of large deposits of

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The Improvement of Highly-Productive Methods and Technology of Mining Large Deposits of Hard Ores. Results of the All-Union Conference on Highly Productive Methods of Mining.

hard ores. Different mining methods used in the USSR and abroad (USA, Canada, Sweden) as well as the automotive equipment of mines were discussed and compared. The drilling of holes, their diameter and blasting methods were also discussed. The introduction of new powerful technological equipment, such as automotive drilling, loading and unloading of aggregates, implies the modernization of mining methods or their simplification. The introduction of room-and-pillar or of block-caving methods was recommended. A new system of ore-crushing must be developed and improved means of ore-blasting introduced. Care must be taken to avoid excessive pressure in mining chambers

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The Improvement of Highly-Productive Methods and Technology of Mining Large Deposits of Hard Ores. (Results of the All-Union Conference on Highly Productive Methods of Mining.

and to choose such alternate mining methods which will permit intensive exploitation without causing caving-in or sliding of overhead rocks. The application of various mining methods in the West and in Soviet mines is described. At the Sokol'-naya Mine, ore was extracted by the compulsory level caving-in, later replaced by the sub-level caving-in method. The drilling equipment used was the SB-4 drilling rig with milling cutters and PBA perforators. The compulsory level caving-in method is used in the Salairskiy Mine, the Tekeliyskiy Mine, Mine 7/9 of the Noril'skiy Kombinat (the Noril'sk Combine). Drilling equip-ment used in these mines is as follows: rigs SB-4, BMK-2b, BMN and perforators KTsM-4 and KS-50. The room-and-pillar method, with massive

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The Improvement of Highly-Productive Methods and Technology of Mining Large Deposits of Hard Ores. Results of the All-Union Conference on Highly Productive Methods of Mining.

extraction of ore, is used in the Tyrny-Auz Mine. BMK-2b and BA-100p-1 drilling rigs are used. In the Nikitovskiy Rtutnyy rudnik (the Nikitovskiy Mercury Mine) the level caving-in method is used. In the Ural Chalcopyrite Mines, the sub-level caving-in method is used. It is also used in the Krasnogvardeyskiy, Belorechenskiy and imeni III Internatsionala Mines. The room-and-pillar method is used in the Verkhniy Mine of the Sikhali Combine and the method of horizontal layers with filling is used in the Taseyevskiy Mine. This method is presently being perfected by the Tsentral'nyy nauchno-issledovatel'skiy gorno-razvedochnyy institut (the Central Scientific Research Mine Prospecting Institute (TsNIGRI). There

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The Improvement of Highly-Productive Methods and Technology of Mining Large Deposits of Hard Ores. Results of the All-Union Conference on Highly Productive Methods of Mining.

are 5 sets of diagrams.

ASSOCIATION: Institut gornogo dela AN SSSR. (The Institute of the Mining Industry of the AS USSR.) Lyubertsy, Moscow Oblast .

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, I.I., kand.tekhn.nauk; KAPLUNOV, D.R., gornyy inzh.;
KIRICHENKO, G.S., gornyy inzh.

Perfecting the system of mining with mass caving of the ore. Gor. zhur. no. 6:24-29 Je '61. (MIRA 14:6)

1. Institut gornogo dela, Moskva.
(Mining engineering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BUCHNEV, Valer'yan Konstantinovich, prof., doktor tekhn. nauk, [deceased]; BRONNIKOV, Dmitriy Mikhaylovich, doktor tekhn. nauk; VASIL'CHIKOV, Nikolay Vasil'yevich, kand. tekhn. nauk; GANZEN, Georgiy Aleksandrovich; SHUSTOV, Nikolay Vasil'yevich; FETEROVICH, Izrail' Izraylevich, inzh.; DEMIDYUK, G.P., otv. red.; BURTSEV, L.I., otv. red.; KOROLEVA, T.I., red. izd-va; OSVEYENKO, V.G., tekhn. red.; PROZOROVSKAYA, V.L., tekhn. red.

[Handbook on drilling boreholes in underground workings] Spravochnik po bureniiu shpurov i skvazhin na podzemnykh rabotakh. [By] V.K.Buchnev, i dr. Moskva, Gosgortekhizdat, 1962. 271 p. (Boring) (MIRA 15:12)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I., kand.tekhn.nauk

Ways of improving the technical methods and equipment for stoping in the Mirgalimsay Mine. Gor.zhur. no.5:19-23 My '62. (MIRA 16:1)

1. Institut gornogo dela im. Skochinskogo, Moskva.
(Mirgalimsay region—Stoping (Mining))

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BRONNIKOV, D.M., doktor tekhn.nauk; BURTSEV, L.I., kand.tekhn.nauk;
BUD'KO, A.V., kand.tekhn.nauk

"Handbook on mining," Vol.2: "Underground operations."
Reviewed by D.M. Bronnikov, L.I. Burtsev, A.V. Bud'ko.
Gor. zhur. no.6:78- 3 of cover Je '62. (MIRA 15:11)
(Mining engineering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I., kand. tekhn. nauk, otv. red.; YEROKHIN, G.M., red. izd-va; LOMILINA, L.N., tekhn. red.; SABITOV, A., tekhn. red.

[Improving systems, technology, and mechanization of underground mining of thick ore deposits] Sovershenstvovanie sistem, tekhnologiia i mekhanizatsii i podzemnoi razrabotke moshchnykh rudnykh mestorozhdenii; po materialam nauchno-tekhnicheskogo soveshchaniia, sostoiavshegosia 27 fevralia - 2 marta 1962.g. v gor. Moskve. Moskva, Gosgortekhizdat, 1963. 311 p.
(MIRA 16:7)

1. Moscow. Institut gornogo dela. 2. Institut gornogo dela im. Skochinskogo (for Burtsev).

(Mining engineering)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

AGOSHKOV, M.I.; BURTSEV, L.I., kand.tekhn.nauk; TREBUKOV, A.L.

Solidifying hydraulic fill from tailings from ore-dressing plants. Gor.zhur. no.1:41-44 Ja '63. (MIRA 16:1)

1. Institut gornogo dela im. Skochinskogo (for Agoshkov, Burtsev). 2. Nauchno-issledovatel'skiy institut Kurskoy magnitnoy anomalii (for Trebukov). 3. Chlen-korrespondent AN SSSR (for Agoshkov).

(Mine filling)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I.; KAPLUNOV, D.R.

Study of the efficiency of large-scale ore blasting in a compressed medium. Gor. zhur. no.2:34-38 F'62. (MIRA 17:2)

1. Institut gornogo dela im. Skochinskogo, Moskva.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

MYASNIKOV, Konstantin Viktorovich; RUDENKO, Vasiliy Vladimirovich; BURTSEV, L.I., kand. tekhn. nauk, retsenzent; KOVALEV, I.A., kand. tekhn. nauk, otv. red.

[Using hardening fillers during the mining of mineral deposits] Primenenie tverdeiushchei zakladki pri razrabotke rudnykh mestorozhdenii. Moskva, Izd-vo "Nedra," 1964. 121 p. (MIRA 17:4)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I., kand.tekhn.nauk; ZVEKOV, V.A., gornyy inzh.; LUNEV, I.N., gornyy inzh.

Flow sheets for chamber and pillar systems using self-propelled equipment. Gor.zhur. no.10:3-11 O '64.

(MIRA 18:1)

1. Institut gornogo dela im. A.A.Skochinskogo (for Zvekov).
2. Kombinat "Achpolimetall" (for Lunev).

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, L.I., kand. tekhn. nauk; LIPOVOY, A.I.

Ways of increasing the effectiveness of reinforced concrete rod bolting. Gor. zhur. no.7:39-42 Jl '65. (MIRA 18:8)

1. Institut gornogo dela im. A.A.Skochinskogo (for Burtsev).
2. Rudnik "Mirgalimsay" (for Lipovoy).

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L 10401-67 EWT(m)

ACC NR: AP7003130 SOURCE CODE: UR/0415/66/000/002/0148/0150

AUTHOR: Burtsev, L. I.; Koylov, V. G.

ORG: Mining Institute im. A. A. Skochinskiy, Moscow (Institut gornogo dela)

TITLE: Investigation of the acoustic rigidity of a concrete foundation

SOURCE: Fiziko-tekhnicheskiye problemy razrabotki poleznykh iskopayemykh, no. 2, 1966, 148-150

TOPIC TAGS: concrete, acoustic property

ABSTRACT: The problem of the accoustic rigidity of concrete artificial pillars used in mine reinforcement is essential where blasting is part of the ore extraction operation. An investigation of the acoustic rigidity of concrete as a function of its composition and properties was performed using cubic samples 10X 10X 10Cm^3 of concrete with various granulometric compositions of inert cement. After setting was complete, the specific gravity of the concrete cubes was measured, the velocity of sound in the samples was determined and they were tested for strength. Concrete made of various types of gravel showed the highest velocity of sound; reducing the quantity of gravel and increasing the content of sand caused a reduction in the velocity of sound. Concrete made with sand has the least acoustic rigidity. Maximal strength was found to be characteristic of the concrete samples with 35 to 55% sand, which is probably the optimal composition

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ACC NR: AP7003130

providing the greatest pore filling with various varieties and porosities of gravel. It was determined that with various concrete mixtures, all using the same amount of cement per cubic meter, with an identical explosive charge at identical distance from a pillar, the greatest destruction of the pillar will take place for gravel concrete, the least - for the concrete of optimal composition (35-55% sand). Orig. art. has: 3 figures and 1 table. [JPRS]

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ZOTOV, V.P.; BURTSEV, L.Ye.; GORBATOV, V.M.; FALEYEV, G.A.; KLEMENCHUG, A.P.; ALEKSEYEV, N.F.; IVANOV, G.Ya.; LEPILKIN, A.N.; GEVORGYAN, B.A.; KARPOV, V.I.; SINITSYN, K.D.; KOLEDIN, I.G.

A.N.Anfimov. Mias.ind.SSSr 31 no.1:58 '60. (MIRA 13:5)
(Anfimov, Apollon Nikolaevich, 1894-1959)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

ASIKRITOVA, N.A., red.; BURTSEV, M.I., glavnyy inzh., red.; BURYAK, A.R., red.; GLOTOV, D.I., tokar', red.; ZAROVNYY, P.I., dispetcher, red.; NOSANOV, V.A., red.; TSEPKOV, I.V., red. [deceased]; AGISHEV, R.K., red.; MARKOVA, S.M., red.; KAYDALOVA, M.D., tekhn.red.

[Energomash; 25 anniversary of the Khabarovsk Electric Power Machinery Plant] Energomash; 25 let proizvodstvennoi deiatel'nosti Khabarovskogo zavoda energeticheskogo mashinostroeniia. Khabarovsk, 1958. 349 p. (MIRA 12:9)

1. Khabarovskiy zavod energeticheskogo mashinostroyeniya. 2. Khabarovskiy zavod energeticheskogo mashinostroyeniya "Energomash" (for all except Markova, Kaydalova). 3. Zaveduyushchaya partiynym kabinetom zavoda "Energomash" (for Asikritova). 4. Sekretar' partiynogo byuro zavoda "Energomash" (for Buryak). 5. Deputat Khabarovskogo gorodskogo Soveta deputatov trudyashchikhsya (for Glotov). 6. Direktor zavoda "Energomash" (for Nosanov).

(Khabarovsk--Machinery industry)

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Burtsev, M.P.

ABRAMOV, S.K., kand.tekhn.nauk; AVERSHIN, S.G., prof., doktor tekhn.nauk; AMMOSOV, I.I., doktor geol.-min.nauk; ANDRIYEVSKIY, V.D., inzh.; ANTROPOV, A.N., inzh.; AFANAS'YEV, B.L., inzh.; BERGMAN, Ya.V., inzh.; BLOKHA, Ye.Ye., inzh.; BOGACHEVA, Ye.N., inzh.; BUKRINSKIY, V.A., kand.tekhn.nauk; VASIL'YEV, P.V., doktor geol.-min.nauk; VINOGRADOV, B.G., inzh.; GOLUBEV, S.A., inzh.; GORDIYENKO, P.D., inzh.; GUSEV, N.A., kand.tekhn.nauk; DOROKHIN, I.V., kand.geol.-min.nauk; KALMYKOV, G.S., inzh.; KASATOCHKIN, V.I., doktor khim.nauk; KOROLEV, I.V., inzh.; KOSTLIVTSEV, A.A., inzh.; KRATKOVSKIY, L.F., inzh.; KRASHENINNIKOV, G.F., prof. doktor geol.-min.nauk; KRIKUNOV, L.A., inzh.; LEVIT, D.Ye., inzh.; LISITSA, I.G., kand.tekhn.nauk; LUSHNIKOV, V.A., inzh.; MATVEYEV, A.K., dots., kand.geol.-min.nauk; MEPURISHVILI, G.Ye., inzh.; MIRONOV, K.V., inzh.; MOLCHANOV, I.I., inzh.; NAUMOVA, S.N., starshiy nauchnyy sotrudnik; NEKIPELOV, V.Ye., inzh., PAVLOV, F.F., doktor tekhn.nauk; PANYUKOV, P.N., doktor geol.-min.nauk; POPOV, V.S., inzh.; PYATLIN, M.P., kand.tekhn. nauk; RASHKOVSKIY, Ya.E., inzh.; ROMANOV, V.A., prof., doktor tekhn. nauk; RYZHOV, P.A., prof., doktor tekhn.nauk; SELYATITSKIY, G.A., inzh.; SPERANSKIY, M.A., inzh.; TERENT'YEV, Ye.V., inzh.; TITOV, N.G., doktor khim.nauk; GOKAREV, I.F., inzh.; TROYANSKIY, S.V., prof., doktor geol.-min.nauk; FEDOROV, B.D., dots., kand.tekhn.nauk; FEDOROV, V.S., inzh. [deceased]; KHOMENTOVSKIY, A.S., prof., doktor geol.-min.nauk; TROYANOVSKIY, S.V., otvetstvennyy red.; TERPIGOREV, A.M., red.; KRIKUNOV, L.A., red.; KUZNETSOV, I.A., red.; MIRONOV, K.V., red.; AVERSHIN, S.G., red.; BURTSEV, M.P., red.; VASIL'YEV, P.V., red.; MOLCHANOV, I.I., red.; RYZHOV, P.A., red.; BALANDIN, V.V., inzh., red.; BLOKH, I.M., kand. tekhn.nauk, red.; BUKRINSKIY, V.A., kand.tekhn.nauk, red.; VOLKOV, K.Yu., inzh., red.; VOROB'YEV, A.A., inzh., red.; ZVONAREV, K.A., prof. doktor tekhn.nauk, red.

(Continued on next card)

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ABRAMOV, S.K.-- (continued) Card 2.
ZDANOVICH, V.G., prof.,doktor tekhn.nauk,red.; IVANOV, G.A., doktor geol.-min.nauk, red.; KARAVAYEV, N.M., red.; KOROTKOV, G.V., kand.geol.-min.nauk, red.; KOROTKOV, M.V., kand.tekhn.nauk, red.; MAKKAVEYEV, A.A., doktor geol.-min.nauk, red.; OMEL'CHENKO, A.N.,kand.tekhn.nauk,red.; SENDERZON, E.M.,kand.geol.-min.nauk, red.; USHAKOV, I.N., dots., kand. tekhn.nauk, red.; YABLOKOV, V.S., kand.geol.-min.nauk,red.; KOROLEVA, T.I., red.izd-va; KACHALKINA, Z.I., red.izd-va; PROZOROVSKAYA, F.L., tekhn.red.; NADEINSKAYA, A.A., tekhn.red.

[Mining; an encyclopedia handbook] Gornoe delo; entsiklopedicheskii spravochnik. Glav. red. A.M.Terpigorev. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po ugol'noi promyshl. Vol.2. [Geology of coal deposits and surveying] Geologiia ugol'nykh mestorozhdenii i marksheiderskoe delo. Redkolegiia toma S.V.Troianskiy. 1957. 646 p. (MIRA 11:5)

1. Chlen-korrespondent AN SSSR (for Karavayev)
(Coal geology--Dictionaries)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, M.P.

BURTSEV, M.P.; KNYAZHEVSKIY, A.V.

Slide phenomena in coal deposit areas of Central Asia. Ugol' 32 no.12:34-35 D '57. (MIRA 11:1)
(Soviet Central Asia--Coal geology)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

Burtsev, M.P.

AUTHORS: Burtsev, M.P., Lebedyanskaya, Z.P. 132-58-2-11/17

TITLE: The Problem of Water Inflow into New Pits of the Podmoskov'ye Coal Basin (K voprosu opredeleniya pritoka vody v novyye shakhty Podmoskovnogo ugol'nogo basseyna)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 2, pp 47-52 (USSR)

ABSTRACT: A preliminary calculation of the magnitude of water inflow in new pits in the Podmoskov'ye coal basin determined the number and the capacity of pumps to be installed, reservoirs to be prepared, and the costs of all necessary installations. These incorrect calculations will cause much extra expense. The authors propose some changes in the formulae used for such calculations (devised by S.V. Troyanskiy). These changes are described in detail. There are 2 graphs and 3 tables.

ASSOCIATION: VUGI

Card 1/1 1. Water-Control systems

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, Mikhail Prokop'yevich; AMMASOV, I.I., prof., doktor geol.-mineral. nauk, otv. red.; KONDRAT'YEVA, V.I., red. izd-va; SUSHKOVA, L.A., tekhn. red.; LAUT, V.G., tekhn. red.

[Kansk-Achinsk coal basin; geology and coal potential] Kansko-Achinskii ugol'nyi bassein; geologicheskoe stroenie i uglenosnost'. Moskva, Izd-vo Akad. nauk SSSR, 1961. 137 p. (MIRA 14:11)
(Kansk-Achinsk Basin—Coal geology)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, N.D.

Setting up automatic block systems in the Rzhev Division.
Avtom. telem. i sviaz' 3 no.8:38 Ag '59. (MIRA 13:2)

1.Zamestitel' nachal'nika Rzhevskoy distantsii signalizatsii i svyazi Kalininskoy dorogi.
(Kalinin Province--Railroads--Block system)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, N.D.

These questions must receive attention. Avtom., telem.i sviaz' 4 no.2:44 F '60. (MIRA 13:6)

1. Zamestitel' nachal'nika Rzhevskoy distantsii signalizatsii i svyazi Kalininskoy dorogi.
(Storage batteries) (Railroads--Electric equipment)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, N.P.

LIPOVETSKIY, G.Z.; BURTSEV, N.P.

Automatic installation for knocking out castings. Lit. proizv. no.6:17-21 Je '55. (MLRA 8:8)
(Founding)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

LIPOVETSKIY, G.Z.; BURTSEV, N.P.

Automatic loaders and unloaders of cores at vertical conveyor driers. Lit.proizv. no.11:11-14 N '55. (MLRA 9:2)
(Coremaking)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

LIPOVETSKIY, G.Z.; BURTSEV, N.P.

Inertia shakeout grating for heavy castings. Lit. proizv. no.3:14-16 Mr '58. (MIRA 11:4)
(Foundry machinery and supplies)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

18(5), 25(5) SOV/128-59-4-10/27

AUTHORS: Lipovetskiy, G.Z., and Burtsev, N.P., Engineers

TITLE: Automatic Line for Shaking-Out, Cooling and Cleansing of Castings

PERIODICAL: Liteynoye Proizvodstvo, 1959, Nr 4, pp 19-20 (USSR)

ABSTRACT: In foundry production, the shaking-out, transport, cooling, and cleansing of castings are among the work processes on which much labor has to be spent and which are very unprofitable. A main deficiency of the known methods of mechanizing these processes by introduction of an assembly line can be seen in the construction of the section, which concerns the cooling of the castings. In this section, the air is full of dust and gases. An assembly line is described with a built-in cooling shaft. This cooling shaft mechanizes, automates and reorganizes the cooling process of the shaken castings. It consists of a metal structure with double-walled iron plates. The space between the walls is filled with insulating material. Into the shaft, a vertical bucket chain is installed. The

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buckets are tilted at a pivot point, and the castings enter a cleansing cylinder. After that, they are brought to a conveyor belt and the pouring holes are crushed in a centrifugal drum. At the end of the article there is a technical characterization of the automatic line. There are 2 diagrams.

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[redacted], G. N.

[redacted], G. N. --"Investigation of Processes of Gas Exchange in a two-Stroke Engine with Sleeve Gas Distribution." Min Higher Education USSR. Moscow Order of Lenin and Order of Labor Red Banner Higher Technical School imeni Bauman. Moscow, 1955. (Dissertation for the Degree of Candidate in Technical Science)

SO Knizhanay letopis'
No 2, 1956

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, O.N.

Investigating gas-exchange processes in a two-cycle sleeve-valve engine. Nauch.dokl.vys.shkoly; mash. i prib. no.1:24-30 '59. (MIRA 12:8)

(Gas and oil engines--Testing)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, O.N., kand.tekhn.nauk

Investigating the coefficient of scavenging for a two-stroke engine running on carbureted fuel. Izv.vys.ucheb.zav.; mashinostr. no.9:106-112 '61. (MIRA 14:12)

1. Kiyevskoye vyssheye aviatsionnoye uchilishche.
(Diesel engines—Testing)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P., inzh.-mayor.

Conservation of engines. Tankist no.3:47-49 Mr '58. (MIRA 11:5)
(Gas and oil engines)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P.E.

BURTSEV, P. E.

O formakh ravnovesiia i ustoichivosti deformirovannogo sterzhnia. (Moscow. Universitet. Uchenye zapiski, 1940, no. 46: Mekhanika, p. 125-137, tables, diagrs.)

Title tr.: Conditions of equilibrium and stability of a strained rod.

QA60.M868 1940, no. 46

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of Congress, 1955.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTS V, P. N.

BURTSEV, P. N. --"Experimental Investigation of a Hydrometric Vane." Main Administration of the Hydrometeorological Service, Council of Ministers USSR. State Order of Labor Red Banner Hydrological Inst. Leningrad, 1955. (Dissertation for the Degree of Candidate in Technical Science).

SO Knizhanoy letopis'
No 2, 1956

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P.N.

Main features in the modernization of the VZhM-3 rotator. Trudy GGI no.70:46-50 '58. (MIRA 11:11)
(Stream measurements)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P.N.

Effect of the moment of inertia of blade propellers on the readings of hydrometric rotators. Trudy GGI no.70:51-66 '58.
(Stream measurements) (MIRA 11:11)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P.N.

The VB-57 current meter. Trudy GGI no.77:108-115 '60.
(MIRA 13:5)

(Flow meters)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P.N.; DAVTYAN, N.A.

Experimental investigation of compass-type flow direction indicators. Trudy GGI no.84:36-45 '60. (MIRA 13:11)
(Hydraulic engineering--Instruments)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P.N.; GOLUBEV, V.S.

Effect of the moment of inertia on the readings of a current meter and an anemometer. Trudy GGI no.96:113-122 '62. (MIRA 15:6)

(Flow meters) (Anemometer)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

ZAV'YALOV, K.D.; BURTSEV, P.N.; BYSTROVA, Ye.S.

Results of tests of hydrometric weights in mountain rivers. Trudy GGI no.106:123-130 '63. (MIRA 16:8)
(Hydrometer--Testing)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, P.N.; BARYSHNIKOVA, M.M.

VB-61 small current meter and its testing. Trudy GGI nd.106: 131-138 '63. (MIRA 16:8)

(Hydrometer—Testing)

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D237/D302

24,4200

AUTHOR: Burtsev, P.Ye.

TITLE: An approximate method of integrating partial differential equations applied to the design of a cylindrical shell

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1962, 11 - 12, abstract 3V67 (Tr. Mosk. energ. in-ta, 1959, no. 32, 67 - 85)

TEXT: An approximate method of integrating partial differential equations (method of straights, which is a development of the method of finite differences with one variable), is applied to computating a cylindrical shell, according to the theory of V.Z. Vlasov. n lines are drawn on the surface of the selected element of the shell which are parallel to the generators of the shell, distanc. between them being equal to $R\alpha$, where R - radius of the shell, α - central angle. On each of the straight lines $\varphi(\xi, \theta)$ and $\Psi(\xi, \theta)$ at $\theta = \theta_k$ where k - number of the straight line, are the functions of ξ alone. Here $\xi = x/R$, $\theta = s/R$, x and s - running coordinates of

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the point in terms of the generator and arc of the circle of the shell. Expanding φ and Ψ into a Taylor series in powers of α and determining the derivatives with respect to θ on the k-th line, the author obtains

$$\left(\frac{\partial^2\varphi}{\partial\theta^2}\right)_k = \frac{1}{\alpha^2}[\varphi_{k-1}(\xi) - 2\varphi_k(\xi) + \varphi_{k+1}(\xi)] - \frac{2\alpha^2}{4!}\left(\frac{\partial^4\varphi}{\partial\theta^4}\right)_k - \frac{2\alpha^4}{6!}\left(\frac{\partial^6\varphi}{\partial\theta^6}\right)_k - \cdots$$

$$\left(\frac{\partial^4\varphi}{\partial\theta^4}\right)_k = \frac{1}{\alpha^4}[6\varphi_k(\xi) - 4\varphi_{k+1}(\xi) - 4\varphi_{k-1}(\xi) + \varphi_{k-2}(\xi) + \varphi_{k+2}(\xi)] - \frac{\alpha^2}{6}\left(\frac{\partial^6\varphi}{\partial\theta^6}\right)_k - \cdots \quad (1)$$

and identical expressions for the derivatives of Ψ. Substituting the expressions for the derivatives into differential equations of equilibrium and continuity of deformation in partial derivatives re. $\varphi(\xi, \theta)$ and $\Psi(\xi, \theta)$. The author obtains the system of ordinary differential equations in two variants: 1) A system in which all the terms with α^4 or higher are neglected; 2) A system in which all the terms with α^2 or higher are neglected. As an example, a cylindrical shell under uniform load on the surface of which three lines were drawn (n = 1, 2, 3), is considered. A system of six 2nd

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order differential equations reduces, by virtue of the symmetry of the lines with k = 2, 3, and of the load, after simple transformations, in either variant, to two equations

$$\varphi_1'' + 2\varphi_2'' = 0, \quad \Psi_1'' + 2\Psi_2'' = 0,$$

by which a general solution of the system of six equations is found Displacements were determined and a case of the shell freely supported by the ends was considered. In the numerical example, the values for stresses obtained from two approximate solutions, were compared with the exact ones. It is noted that the value obtained from the 1st variant is very near to the exact one. [Abstractor's note: Complete translation].

Card 3/3

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L 60447-65 EWT(d)/T IJP(c) GS

ACCESSION NR: AT5017386 UR/0000/64/000/000/0084/0085

AUTHOR: [illegible]; B.I. (Krasnoyarsk); Portsev, B. V. (Krasnoyarsk)

TITLE: Digital correlation meter for the evaluation of correlation [illegible] correlated random processes

SOURCE: Konferentsiya po avtomaticheskomu kontrolyu, i metodam elektricheskikh izmereniy. 3d, Novosibirsk, 1961. Avtomaticheskiy kontr[illegible] izmereniy, trudy konferentsii, t. 2: Tsifrovyye izmeritel'nyye pribory. Ustroystva avtomaticheskogo kontrolya i upravleniya v promyshlennosti (Automatic control and electrical measuring techniques: transactions of the conference, v. 2: Digital measuring instruments. [illegible] of the electrical quantities. Devices for automatic control a[illegible] Novosibirsk, Redizdat Sib. otd. AN SSSR, 1964. 84-85

TOPIC TAGS: digital correlometer, linearly correlated random process, correlation function

ABSTRACT: Existing correlation meters determine the correlation function by means of the equation

$$p(\tau) = \frac{1}{n}\sum x_i y_i. \qquad (1)$$

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where x_1 and y_1 are the values of the random functions X(t) and Y(t) within the cross section separated by time intervals τ. The authors of the present paper derive the expression for two admittedly linearly correlated random processes

$$y(x) = \frac{\bar{x}_i}{\overline{x x_i}} \overline{y_i x} \qquad (2)$$

which shows that for the determination of one point of the correlation function of a linearly correlated random process it is sufficient to carry out [illegible]

[illegible] digital correlometer is [illegible] extended to random quantities whose relation is of the [illegible]

4 formulas and 1 figure.

ASSOCIATION: none

SUBMITTED: 11Nov64 ENCL: 00 SUB CODE: MA, DP

NO REF SOV: 000 OTHER: 000

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BURTSEV, S.A., inzhener; KALASHNIKOVA, A.P., inzhener.

Efficiency innovator road workers. Gor.khoz.Mosk.30 no.6:32-35 Je '56. (MLRA 9:9)
(Piling (Civil engineering)) (Road machinery)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, S.A., inzhener; KALASHNIKOVA, A.P., inzhener.

Efficiency promoters in road construction. Gor.khoz.Mosk. 31 no.8:37-40 Ag '57. (MLRA 10:9)
(Road machinery)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, S.A., inzh.; KALASHNIKOVA, A.P., inzh.

Inventors and efficiency promoters in road and bridge construction.
Gor. khoz. Mosk. 32 no.6:28-30 Je '58. (MIRA 11:7)
(Efficiency, Industrial) (Road machinery)

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BURTSEV, S. I.

Feeding and Feedings Stuffs

Food industry's waste products constitute a supplementary feed supply. Korm. baza 4 No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, T.T., slesar'-montazhnik

Methods for a better and more rapid centralization of switches.
Transp.stroi. 9 no.6:9-10 Je '59. (MIRA 12:11)

1. Trest Transsignalstroy.
(Railroads--Switches)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, V.

Electronic psychrometer. Radio No 2, 1952.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307710006-7

BURTSEV, V., inzh.

Second conference on the use of vacuum in metallurgy. Izv.vys. ucheb.zav.; chern.met. no.8:172-173 Ag '58. (MIRA 11:11)

1. Institut metallurgii imeni A.A. Baykova AN SSSR.
(Vacuum metallurgy)

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BURTSEV, V S

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ACCELERATING MULTIPLICATION AND DIVISION OPERATIONS IN HIGH-SPEED DIGITAL COMPUTERS. MOSCOW, 1958.

25 P. DIAGRS.

AT HEAD OF TITLE-PAGE: AKADEMIYA NAUK SSSR. INSTITUT TOCHNOY MEKHANIKI I VYCHISLITEL'NOY TEKHNIKI.

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~~9 (3), 24 (3)~~ 67311

AUTHORS: Kanicheva, I. R., Burtsev, V. A. SOV/181-1-8-16/32

TITLE: Investigation of 0.5- to 16-kev Electron Penetration Through Collodion- and Gold Films

PERIODICAL: Fizika tverdogo tela, 1959, Vol 1, Nr 8, pp 1250 - 1258 (USSR)

ABSTRACT: The laws governing the penetration mentioned in the title were found by simultaneous investigation of film penetrability and electron energy distribution after their passage through the films of the substances to be investigated. The authors paid attention to the removal of secondary effects. Thin films (of various thickness) of the substances under investigation were bombarded with electrons. By slowing down the electrons having passed through the film in the field of a spherical capacitor it was possible to determine the integral distribution curves practically over all energies. These measurements allow the following conclusions: In collodion and gold films of various thickness the dependence of the extreme depth of penetration R on electron energy E obeys Bethe's law of specific loss. $R = 77.5E^{1.3}$ holds for gold. The electron spectrum may be subdivided into two ranges corresponding to slow (from 0 to

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